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07/25/2003	Hardayal Singh Gill	HITG.031PA(0594)	3605
01/31/2006		EXAM	INER
Chambliss, Bahner & Stophel, P.C.		TUGBANG, ANTHONY D	
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ng		ART UNIT	PAPER NUMBER
Chattanooga, TN 37402		3729	
1	01/31/2006 r & Stophel, P.C.	01/31/2006 r & Stophel, P.C.	o1/31/2006 r & Stophel, P.C. TUGBANG, A ART UNIT

DATE MAILED: 01/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · · · · · · · · · · · · · · ·		(1)
-	Application No.	Applicant(s)
	10/627,546	GILL, HARDAYAL SINGH
Office Action Summary	Examiner	Art Unit
	A. Dexter Tugbang	3729
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet wit	h the correspondence address
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC 1.136(a). In no event, however, may a re tod will apply and will expire SIX (6) MONT tute, cause the application to become ABA	CATION. Sply be timely filed ITHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
3) Since this application is in condition for allow	his action is non-final. wance except for formal matte	·
closed in accordance with the practice unde	er Ex parte Quayle, 1955 C.D.	11, 453 O.G. 213.
Disposition of Claims		
4a) Of the above claim(s) is/are withd 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-11 are subject to restriction and/o		
Application Papers		
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) and a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct of the oath or declaration is objected to by the	nccepted or b) objected to be the drawing(s) be held in abeyand rection is required if the drawing(s	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for forei a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the papplication from the International Bure * See the attached detailed Office action for a line	ents have been received. ents have been received in Apriority documents have been reau (PCT Rule 17.2(a)).	oplication No received in this National Stage
Attachment(s) 1) \[\sum \text{Notice of References Cited (PTO-892)} \]	4) ☐ Interview Si	ummary (PTO-413)
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/I Paper No(s)/Mail Date 	Paper No(s))/Mail Date formal Patent Application (PTO-152)

DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 2-5, drawn to a process of making a spin valve sensor including forming a coupling layer, classified in class 29, subclass 603.2.
 - II. Claims 6 and 7, drawn to a process of making a spin valve sensor including forming a bias layer and an AFM layer, classified in class 29, subclass 603.14.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions of Groups I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, the invention of Group I has separate utility, or a separately usable process, of forming an additional coupling layer for magnetic coupling, not required in Group II. The invention of Group II has separate utility, or a separately usable process, of forming a bias layer and a AFM layer for biasing of the sensor, not required in Group I. See MPEP § 806.05(d).
- 3. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.
- 4. Claim 1 link(s) the inventions of Groups I and II. The restriction requirement between the linked inventions is subject to the nonallowance of the linking claim(s), Claim 1. Upon the allowance of the linking claim(s), the restriction requirement as to the linked inventions shall be withdrawn and any claim(s) depending from or otherwise including all the limitations of the

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allowable linking claim(s) will be entitled to examination in the instant application. Applicant(s) are advised that if any such claim(s) depending from or including all the limitations of the allowable linking claim(s) is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

NOTE: Clams 8-11 will be examined along with linking Claim 1 as there would no burden to examine Claims 8-11.

- 5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Dexter Tugbang whose telephone number is 571-272-4570. The examiner can normally be reached on Monday Friday 8:30 am 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A. Dexter Tugbang

Primary Examiner

Art Unit 3729

January 25, 2006